

Title (en)
PROCESS FOR INFLUENCING PLANT GROWTH

Publication
EP 0010067 B1 19830831 (EN)

Application
EP 79810111 A 19791001

Priority
GB 7839401 A 19781005

Abstract (en)
[origin: EP0010067A2] An agent for influencing plant growth, in particular a herbicidal and plant growth inhibiting agent, contains, in addition to carriers and/or other additives, at least one compound of the formula:-or the corresponding zwitterion form in which R and R₁ may be the same or different and each can be hydrogen, deuterium or an optionally substituted lower alkyl group, lower alkenyl, lower alkynyl, cycloalkyl, aryl or heterocyclic radical containing one or more oxygen, nitrogen or sulphur atoms and which may be fused to an aromatic ring, a lower alkyl group substituted by a cycloalkyl radical, a lower alkyl group substituted by an aryl radical, a lower alkyl group substituted by a heterocyclic radical as defined above, or R and R together form a polymethylene chain optionally interrupted by an oxygen, nitrogen or sulphur atoms, or R represents, together with the C(R)-N < residue to which it is attached, the atoms required to complete a heterocyclic radical; and R₂ and R₃ may be the same or different and each can be hydrogen, optionally substituted lower alkyl, cycloalkyl, aryl or lower alkyl substituted by a heterocyclic radical containing one or more nitrogen atom; a heterocyclic radical containing one or more nitrogen atoms; or R₂ and R₃, independently, together with the C(H)-N residue to which each is attached, may each represent the atoms required to complete a heterocyclic radical; R is OH CH₃; or phenyl; R₇ is hydrogen or an alkoxycarbonyl or benzyloxycarbonyl group; and n is 0, 1, 2 or 3; as well as the esters or partial esters thereof with physiologically splittable alcohols; salts of the compounds of formula I, or their esters or partial esters with acids or bases physiologically acceptable to plants, respectively; and all optical isomers thereof.

IPC 1-7
A01N 57/18; **C07F 9/30**; **C07F 9/38**

IPC 8 full level
A01N 57/18 (2006.01); **C07F 9/30** (2006.01); **C07F 9/32** (2006.01); **C07F 9/38** (2006.01); **C07F 9/547** (2006.01); **C07K 5/08** (2006.01)

CPC (source: EP US)
A01N 57/18 (2013.01 - EP US); **C07F 9/301** (2013.01 - EP US); **C07F 9/3808** (2013.01 - EP US); **C07K 5/0827** (2013.01 - EP US)

Cited by
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EP 0010067 A2 19800416; **EP 0010067 A3 19800430**; **EP 0010067 B1 19830831**; CA 1124097 A 19820525; DE 2966111 D1 19831006; JP S5551009 A 19800414; US 4431438 A 19840214

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